Climate Change and Human Health Literature Portal

National Institute of Environmental Health Sciences

Typhoon-related leptospirosis and melioidosis, Taiwan, 2009

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Abstract:

To the Editor: Global climatic changes have resulted in more natural disasters worldwide. These natural disasters can then cause outbreaks of emerging infectious diseases, including leptospirosis and melioidosis (1–7). In 2009, the moderate-strength Typhoon Morakot, with a maximum cumulative rainfall amount up to 3,059.5 mm, damaged Taiwan. After this natural disaster, unusual epidemics of leptospirosis and melioidosis occurred. The main objective of this study was to clarify whether these epidemics have resulted from this natural disaster.

Source: http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3381404

Resource Description

Early Warning System: ☒

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

 A focus of content

Exposure : ☒

weather or climate related pathway by which climate change affects health

 Extreme Weather Event, Food/Water Quality

Extreme Weather Event: Hurricanes/Cyclones

Food/Water Quality: Pathogen

Geographic Feature: ☒

resource focuses on specific type of geography

 Ocean/Coastal

Geographic Location: ☒

resource focuses on specific location

 Non-United States

Non-United States: Asia

Asian Region/Country: Other Asian Country

Other Asian Country: Taiwan

Health Impact: ☒

specification of health effect or disease related to climate change exposure

 Infectious Disease

Infectious Disease: Foodborne/Waterborne Disease

Foodborne/Waterborne Disease: Leptospirosis, Meliodidosis

Resource Type: ☒

format or standard characteristic of resource

 Research Article

Timescale: ☒

time period studied

 Time Scale Unspecified

Vulnerability/Impact Assessment: ☒

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

 A focus of content